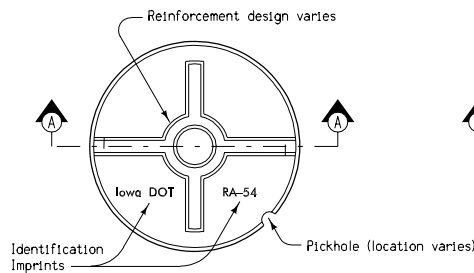
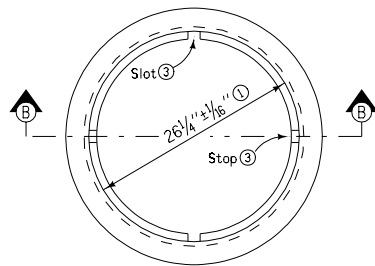


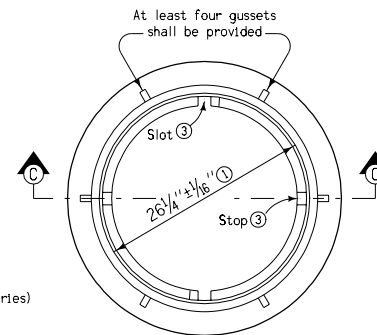
PLAN OF COVER TOP



PLAN OF COVER BOTTOM



PLAN OF FRAME



PLAN OF FRAME

GENERAL NOTES:

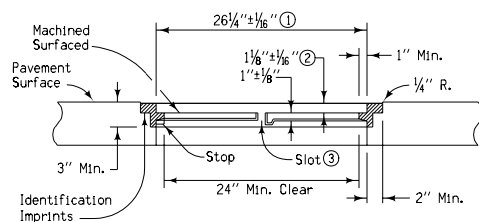
Painting of castings is not required; however, if used, paint shall be evenly applied and neither sticky nor brittle when dry.

An identification imprint "Iowa DOT RA-54" shall be placed on each frame and cover. The manufacturer may also imprint marks or trade names on the casting.

Heavyweight utility access covers as described shall be used with appropriate frames of either slab type or neck-bearing type wherever utility accesses are required to be subject to roadway traffic.

- ① Machining of vertical surfaces will be allowed if needed to conform to dimensional requirements.
- ② After machining.
- ③ Slots and stops for retaining lug are to be provided at 180 degrees as shown.

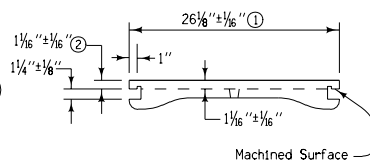
MINIMUM WEIGHT		
	Frame	Cover
Type 1	150 lbs.	145 lbs.
Type 2	230 lbs.	145 lbs.



SECTION B-B

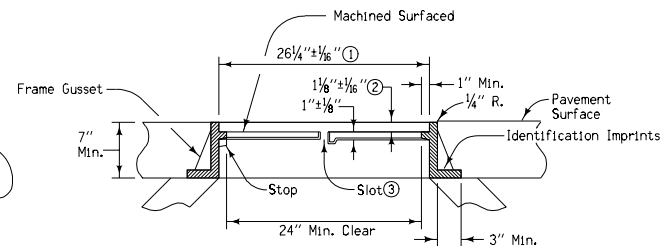
TYPE 1 FRAME

SLAB TYPE FOR CAST UTILITY ACCESSES



SECTION A-A

COVER DETAILS



SECTION C-C

TYPE 2 FRAME

NECK BEARING TYPE FOR BUILT-UP UTILITY ACCESSES

		STANDARD ROAD PLAN		RA-54
		REVISION: Revise General Notes.		REVISION NO. 1
APPROVED BY: <i>William J. Allen</i> DESIGN/METHODS ENGINEER		REVISION DATE 10-21-03		
CAST UTILITY ACCESS COVER (Heavy)				